

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (Previously Presented): Method of dividing a guided electromagnetic signal into two half-power signals using photonic crystals wherein it is based on exciting a coupler made by disposing two parallel coupled cavity waveguides close to one another, implemented in photonic crystals, in which the two guides are physically separated and can be suitably curved to extract the two output signals, output signals that cover the same physical path and so there is no delay between the two.

Claim 2 (Previously Presented): Method of dividing a guided electromagnetic signal into two half-power signals using photonic crystals according to Claim 1, wherein it is based on exciting the odd mode of the coupler obtaining at the output two signals with a 180° phase difference.

Claim 3 (Currently Amended): Method of dividing a guided electromagnetic signal into two half-power signals using photonic crystals according to Claim 1, wherein it is based on exciting

the even mode of the coupler ~~designed with greater bandwidth~~
~~obtaining at the output two signals in phase~~ to produce half-
power signals with 0° phase difference.

Claim 4 (Previously Presented): Method of dividing a guided electromagnetic signal into two half-power signals using photonic crystals according to Claim 1, wherein it can use any type of 2D crystal.

Claim 5 (Previously Presented): Method of dividing a guided electromagnetic signal into two half-power signals using photonic crystals according to Claim 1, wherein it can use any type of 3D crystal.

Claim 6 (Previously Presented): Method of dividing a guided electromagnetic signal into two half-power signals using photonic crystals according to Claim 1, wherein it is for application in a photonic crystal with a triangular lattice type.

Claim 7 (Previously Presented): Method of dividing a guided electromagnetic signal into two half-power signals using photonic crystals according to Claim 1, wherein it is for application in a photonic crystal with a square lattice type.